

INDEX

Synonyms are printed in *italics*; new names in bold-face type.

- Acalypha *asterifolia*, 289
 - *cordifolia*, 289
 - *cuspidata*, 289
 - *flabellifera*, 289
 - *fulva*, 289
 - *lagoensis*, 289
 - *plicata*, 289
 - *Sanctae-Martae*, 289
- Acrostichum *apiifolium*, 358
 - *aspidiooides*, 358
 - *aureum*, 357
 - *auritum*, 358
 - *axillare*, 358
 - *bicuspe*, 358
 - *bifurcatum*, 358
 - *drynariooides*, 358
 - *minus*, 358
 - *palustre*, 358
 - *peltatum*, 358
 - *quercifolium*, 358
 - *rigidum*, 358
 - *spicatum*, 358
 - *taccaefolium*, 358
 - *tricuspe*, 358
 - *variabile*, 358
- Adesmia arborea, 413
 - *Bedwellii*, 421
 - *glutinosa*, 417
 - *microphylla*, 416
- Adesmiae of Central Chile, Observations on Some Shrubby, 413
- Aesculus chinensis, 336
 - *indica*, 336
- Agallochum*, 402
 - *secundarium*, 403
 - — *Calambac*, 403
- Aglaia Parksii, 320
- Alsoiphila *mollicula*, 440
- Alyxia linearifolia, 321
- Amaracarpus, 221
 - *anomalus*, 228
 - *Archboldianus*, 232
 - *atrocarius*, 225
 - *attenuatus*, 222
 - *belensis*, 228
 - *bicolor*, 230
 - *brachypus*, 223, 224
 - *Brassii*, 229
- Amaracarpus *buxifolius*, 230
 - *caeruleus*, 231
 - *calcicola*, 224
 - *Clemensae*, 231
 - *compactus*, 227
 - *confertifolius*, 230
 - *cuneifolius*, 227
 - *grandifolius*, 223
 - *heteropus*, 222, 223
 - *idenburgensis*, 227
 - *longifolius*, 222
 - *montanus*, 227, 228
 - *musciferus*, 321
 - *Nouhuysii*, 224
 - *novo-guineensis*, 229
 - *Nymannii*, 225
 - *papuanus*, 226
 - *pubescens*, 225
 - *rhombifolius*, 227
 - *Schlechteri*, 225
 - *simulans*, 228
 - *solomonensis*, 223, 224
 - *subcaudatus*, 224
 - *trichanthus*, 229
 - *trichocarpus*, 225
 - *urophyllus*, 221
 - *xanthocarpus*, 226
- Amelanchier arborea *nuda*, 170
 - *Botryapium micropetala*, 316
 - *canadensis*, 317
 - — *micropetala*, 316
 - — *nuda*, 170
 - — *micropetala*, 316
 - *oblongifolia micropetala*, 316
 - *ovalis*, 317
 - *spicata*, 316
 - *stolonifera micropetala*, 316
 - *Amentaceae*, 169
 - b. *Betulaceae*, 169
 - d. *Corylaceae*, 169
 - *Andira inermis*, 312
 - *Andropogon brevifolius*, 323
 - *fragilis*, 323
 - *Anisoptera*, 348, 351, 352
 - *marginata*, 353
 - *Anthodon decussatum*, 87
 - *Anthopterus bracteatus*, 90
 - *cuneatus*, 90

- Anthopterus Wardii*, 89, 90
Antirhea, and a New Name for a Cuban Species, The Australian Species of, 121
Antirhea myrtoides, 122
 — *putaminosa*, 121
 — *tenuiflora*, 121
 — *Urbaniana*, 121
Antirrhoea putaminosa, 121
 — *tenuiflora*, 121
 — *tenuifolia*, 121
Aquilaria, 402
 — *acuminata*, 403
 — *Agallocha*, 403
 — *apiculata*, 403
 — *Baillonii*, 403
 — *brachyantha*, 403
 — *chinensis*, 403
 — *citrinaecarpa*, 405
 — *Crassna*, 403
 — *Cumingiana*, 405
 — *decemcostata*, 405
 — *grandiflora*, 404, 406
 — *hirta*, 403
 — *khasiana*, 403
 — *malaccensis*, 403
 — *microcarpa*, 403
 — *moluccana*, 404
 — *Moszkowskii*, 403
 — *Ophispermum*, 403
 — *ovata*, 403
 — *pentandra*, 403
 — *podocarpa*, 404
 — *rostrata*, 403
 — *secundaria*, 403
 — *sinensis*, 404
 — *urdanetensis*, 405
 — *Versteegii*, 404
Aquilariaeae, Family Thymelaeaceae, A Critical Study of Philippine Species of the Tribe, 401
Archboldianae, XVII, Plantae Papuanae, 193
Argyrocalymma denticulata, 277
 — *flexuosa*, 278
 — *montana*, 278
Armeniaca atropurpurea Armeniaca persicaefolia, 318
 — *dasycarpa persicifolia*, 318
 — *persicaefolia*, 318
 Arnold Arboretum during the fiscal year ended June 30, 1946, The, 486
 Arnold Arboretum, 1945-46, Staff of the, 510
Artocarpus altilis, 300
Arundo farcta, 238
Atalopteris aspidioides, 358
Athabaska-Great Slave Lake Region, II, Phytogeographic Studies in the, 1
Australian Species of Antirhea, and a New Name for a Cuban Species, The, 121
BAILEY, I. W. & CHARLOTTE G. NAST. Morphology of Euptelea and Comparison with Trochodendron, 186
Balanocarpus, 348, 351
BALL, CARLETON R. More Plant Study: Fewer Plant Names, 371
Bamboos, The Classification of Malayan, 340
Bambusa, 340, 341, 345
 — *heterostachya*, 341
 — *latispiculata*, 341
Barringtonia, 302
Bathys prolifica, 429
BEARD, J. S. & A. C. SMITH. The Genus Eschweilera in Trinidad and Tobago, 305
Belvisia spicata, 358
Betulaceae, 169
 — trib. *Alneae*, 169
 — trib. *Betuleae*, 169
 — trib. *Carpineae*, 170
 — trib. *Coryleae*, 170
Bibliography of the published writings of the staff and students, July 1, 1945-June 30, 1946, 507
Bobea myrtoides, 122
 — *putaminosa*, 121
Bolbitis serratifolia, 357
Brachylottis rotundifolia, 174
Brachythalamus caudatus, 404
 — *podocarpus*, 404
 — *Versteegii*, 404
Bravaisia integrerrima, 307
Broussonetia papyrifera, 302
Buchenavia capitata, 307
Buddhism, On the Dispersal of the Plants Most Intimate to, 327
BURKILL, I. H. On the Dispersal of the Plants Most Intimate to Buddhism, 327
Byrsonima spicata, 310, 313
Cacalia sonchifolia, 325
Calopogonium mucunoides, 324
Calopteryx, 100
 — *insignis*, 90, 100
Calycosia Kajewskii, 217
Campstostemon, 273
Canarium, 301
Capparis spinosa, 427
Caprifolium javanicum, 450
 — *Loureiri*, 445
Carapa guianensis, 306, 312
Carpodetus amplus, 275

- Carpodetus arboreus*, 276
 — *Archboldianus*, 276
 — *denticulatus*, 277
 — *flexuosus*, 277, 278
 — *fusens*, 277
 — *grandiflorus*, 277
 — *major*, 276
 — *montanus*, 278
 — *Pullei*, 277
Castanacées I. Betuleae, 169
 — II. *Coryleae*, 170
Cavendishia adenophora, 90, 109
 — *Alleni*, 105
 — *amalfiensis*, 109
 — *chlamydantha*, 90, 113, 116
 — *choocoensis*, 90, 117
 — *coccinea*, 90, 109, 111
 — *compacta*, 90, 105, 107
 — *complectens*, 105
 — *complectens*, 104
 — *gaultherioides*, 105
 — *hispida*, 90, 108
 — *marginata*, 115
 — *micayensis*, 114, 116
 — *mierantha*, 90, 116
 — *palustris*, 90, 116
 — *praestans*, 90, 107
 — *Purdiei*, 109
 — *Quereme*, 90, 117
 — *spicata*, 117
 — *splachnooides*, 90
 — *striata*, 90, 104, 105
 — *tenella*, 90, 106
 — *urophylla*, 90, 110
 — *venosa*, 90, 111, 114, 116
 — *violacea*, 90, 108
Centrifugal Stamens, 423
Cephaelis Kajewskii, 218
Cerasus anglica praecox, 172
 — *bigarella rostrata*, 171
 — *caprioniana regalis*, 172
 — *decumana*, 171
 — *duracina mamillaris*, 171
 — *effusa*, 172
 — *Gondouini*, 171, 172
 — *Gundouini*, 171, 172
 — *nicotianaefolia*, 171
 — *regalis communis*, 172
 — — *praecox*, 172
 — — *serotina*, 172
 — *sativa multifera*, 171
Ceratostomella ips, 483
 — *ulmi*, 483
Cercidiphyllum, 190
Chaenomeles sinensis, 171
Chamaecyparis Lawsoniana, 169
Chamaecyparis Lawsoniana erecta glauca, 169
 — — *glaucifolia*, 169
 — — *erecta-glaucifolia*, 169
 — — *glaucescens*, 169
 — — *monumentalis nova*, 169
 — — *pyramidalis e. g.*, 169
Chamaesyce boliviiana, 291
 — *hirta*, 291
 — *trancapatae*, 290, 291
Cheilanthes eriophora, 365
 — *goyazensis*, 366
 — *Pohliana*, 369
Cheiloclinium Jenmanii, 89
 — *meianthum*, 88
Cheiropleuria bicuspis, 358
Chile, Observations on Some Shubby Adesmiae of Central, 413
Chimarrhis cymosa, 309
Chloris barbata, 323
 — *inflata*, 323
 — *paraguayensis*, 323
Christiopteris tricuspis, 358
Cineraria rotundifolia, 174
Classification of Malayan Bamboos, The, 340
Clerodendron fragrans, 333
 — *indicum*, 333
 — *infortunatum*, 333
 — *siphonanthus*, 333
Colocasia esculenta, 297
Colombia, New Cyatheaceae from, 438
Comparative Morphology of the Foliar Sclereids in the Genus Mouriria Aubl., 253
COPELAND, EDWIN B. Parallel and Convergent Evolution in Ferns, 355
CORNER, E. J. H. Centrifugal Stamens, 423
Cortex filarius, 403
Corylaceae, 169
Corylaceae, 169
 — trib. *Betuleae*, 169
 — trib. *Carpineae*, 170
 — trib. *Coryleae*, 169
 — trib. *Coryleae*, 170
Cotylelobium, 348, 351
Crataegus spicata, 316
Critical Study of Philippine Species of the Tribe Aquilariaeae, Family Thymelaeaceae, A, 401
CROIZAT, LEON. Novelties in American Euphorbiaceae, 289
Croton roraimensis, 309
Cultivated Trees and Shrubs, III, IV, Notes on some, 169, 316
Cupressus Lawsoniana erecta, 169

- Cupressus *Lawsoniana erecta glauca*, 169
— — — *glaucescens*, 169
Cupuliferae trib. I. *Betuleae*, 169
— trib. *Corylaceae*, 169
Cyathea, 309
— *rupestris*, 438
Cyatheaceae from Colombia, New, 438
Cytisus Laburnum auctumnalis, 318
— — — *serotinus*, 318
Decaisnella, 402
Dedication [Elmer Drew Merrill], No. 4,
I
Dendrocalamus, 340, 341, 346
Dendrochloa, 344
Dendroglossa minor, 358
Dinochloa, 345
Dioscorea, 298
Diospyros ierensis, 310
Dioticarpus, 348
Dipterocarpaceae, Distribution of the, 347
Dipterocarpus, 348, 351, 352
— *costulatus*, 353
— *Dyeri*, 353
Distribution of the Dipterocarpaceae, 347
Dolianthus, 221
Doona, 348
Dryobalanops, 348, 351
— *Rappa*, 353
Eichhornia crassipes, 324
Elachyptera floribunda, 86
Elatostema fruticosum, 320
— *Greenwoodii*, 319
— *humile*, 320
— *tenellum*, 320
Emilia sonchifolia, 325
Eria rostriflora, 324
Erianthus arundinaceus, 238
— *maximus*, 245, 246
— — — "Abortive," 247
Eschweilera in Trinidad and Tobago, The
Genus, 305
Eschweilera, 309
— *decolorans*, 305, 308, 311
— — — *decolorans*, 310
— *laevifolia*, 305
— *Sandwithiana*, 310, 313
— *subglandulosa*, 305, 313
— *trinitensis*, 307, 311, 313
Eucommia, 190
Euphorbia apurimacensis, 289
— *boliviiana*, 291
— *commutata*, 290
— *Latazii*, 290
— *peplidion*, 290
— *refugii*, 290
Euphorbiaceae, Novelties in American,
289
Euptelea, A Taxonomic Review of, 175
Euptelea and Comparison with *Trochodendron*, Morphology of, 186
Euptelea, 176, 186
— *Davidiana*, 180
— *Delavayi*, 181
— *Francheti*, 180
— *Franchetti*, 180
— *Griffithii*, 180
— *minor*, 181, 184
— *pleiosperma*, 177, 180, 187
— *pleurospelta*, 180
— *polyandra*, 177, 187
— *polyandra*, 181
— *polygama*, 178
Eupteleaceae, 175
Euptéléées, 175
Euterpe, 313
— *Broadwayana*, 309
Evolution in Ferns, Parallel and Convergent, 355
Fagraea Sair, 325
FERNALD, M. L. Types of Some American Trees, 386
Ferns, Parallel and Convergent Evolution in, 355
FERREYRA, RAMÓN. A Revision of the Peruvian Species of *Monnieria*, 123
Fewer Plant Names, More Plant Study:, 371
Ficus, 301
— *religiosa*, 327, 331, 334, 335
— *Rumphii*, 335
Fiji, Studies of Pacific Island Plants, V.
New and Noteworthy Flowering Plants from, 319
Food Plants of the Indians of the Guatemalan Highlands, 395
FOSTER, ADRIANCE S. Comparative Morphology of the Foliar Sclereids in the Genus *Mouriria* Aubl., 253
FOXWORTHY, F. W. Distribution of the Dipterocarpaceae, 347
Fraxinus sect. *Fraxinaster* subsect. *Dipetaliae*, 173
— — — *Petromelia*, 173
Genus *Eschweilera* in Trinidad and Tobago, The, 305
Gigantochloa, 340, 341, 345
— *heterostachya*, 341
— *latispiculata*, 341
Gnetum gnemon, 301
GOODSPEED, T. H. Meiotic Prophase Phenomena in Species and Interspecific

- Hybrids of *Nicotiana*, 453
GRASSL, CARL O. *Saccharum robustum* and other Wild Relatives of "Noble" Sugar Canes, 234
 Growth of Excised Tomato Roots, A Report on the, 480
 Guam Flora, Some Additional Records for the, 323
 Guatemalan Highlands, Food Plants of the Indians of the, 395
Guettarda myrtoides, 122
 — *putaminoza*, 121
 — *tenuiflora*, 121
Guettardella putaminosa, 121
Gyrinops, 404
 — *caudatus*, 404
 — *Ledermannii*, 404
 — *moluccana*, 404
 — *podocarpus*, 404
 — *salicifolia*, 407
 — *Versteegii*, 404
 — *Walla*, 404
Gyrinopsis, 404
 — *acuminata*, 403
 — *brachyantha*, 403
 — *citrinaecarpa*, 405
 — *Cumingiana*, 405
 — *pubescens*, 405
 — *grandifolia*, 406
 — *parvifolia*, 405
 — *pubifolia*, 406
 — *salicifolia*, 407
 — *urdanetensis*, 405
Hemigramma taccaeifolia, 358
Hemitelia decorata, 439
 — *pumila*, 439
HERRE, ALBERT W. The Lichen Flora of the Philippines, 408
Hibiscus mutabilis, 333, 337
Hieronyma caribaea, 313
Hippocratea floribunda, 86
 Hippocrateaceae and Vacciniaceae, Studies of South American Plants, XI. Note-worthy Species of, 86
Hirtella racemosa, 313
HOLTTUM, R. E. The Classification of Malayan Bamboos, 340
Hophea, 348, 351, 352
HUMBERT, HENRI. La Protection de la Nature à Madagascar, 470
Hyptis mutabilis, 325
Illićium, 190
Ixora coccinea, 337
KAJEWSKI, S. F. Plant Collecting in the Solomon Islands, 292
Killipiella styphelioïdes, 90
Kippistia, 89
 Klemachloa, 344
Laburnum anagyroides autumnale, 318
 — — *serotinum*, 318
 — — *laburnum serotinum*, 318
 — — *tardiflorum*, 318
 — — *vulgare autumnale*, 318
 — — *bifera*, 318
 — — *semperflorens*, 318
Lachnolepis moluccana, 404
Lactobacillus casei, 483
Lasianthus chlorocarpus, 219
 — — *cyanocarpoides*, 219
 — — *cyanocarpus novaguineensis*, 219
 — — *papuanus*, 219
 — — *strigosus*, 219
 — — *sylvestroides*, 219
Lavandula officinalis alba, 173
 — — *albiflora*, 173
 — — *Spica alba*, 173
 — — *vera alba*, 173
Lecythis laevisifolia, 305
 — — *subglandulosa*, 305
Leptochilus axillaris, 358
 — *decurrans*, 358
Licania biglandulosa, 309, 310, 313
 — *ternatensis*, 310
 Lichen Flora of the Philippines, The, 408
Lonicera in Malaysia, Preliminary Revision of the Genus, 442
Lonicera acuminata, 445
 — *chinensis*, 451
 — *confusa*, 444
 — — *Giraldii*, 445
 — — *japonica*, 444
 — — *jasminifolia*, 445
 — — *javanica*, 445, 450
 — — *leiantha*, 445
 — — *Leschenaultii*, 445
 — — *Loureiri*, 445
 — — *malaiana*, 449
 — — *mindanaensis*, 450
 — — *oxylepis*, 445
 — — *philippinensis*, 445
 — — *pulcherrima*, 445, 449
 — — *Rehderi*, 445
 — — *repens*, 451
 — — *sumatrana*, 444, 445
Macleania antioquiae, 92
 — — *pentaptera*, 89, 90
 — — *tropica*, 90, 91
 Madagascar, La Protection de la Nature à, 470
Magnoliaceae IV. Eupteleaceae, 175
 Malayan Bamboos, The Classification of, 340
 Malaysia, Preliminary Revision of the Genus *Lonicera* in, 442

- Malus longipes*, 170, 317
Manilkara bidentata, 307
Marquesia, 347, 348
MAXON, WILLIAM R. New Cyatheaceae from Colombia, 438
 Meiotic Prophase Phenomena in Species and Interspecific Hybrids of *Nicotiana*, 453
Melocanna, 345
Merinthosorus drynarioides, 358
 Merrill, Elmer Drew, Dedication, No. 4, I
MERRILL, E. D. & L. M. PERRY. Plantae Papuanae Archboldiana, XVII, 193
 — & — Some Additional Records for the Guam Flora, 323
Merrilliodendron rotense, 324
Mespilus arborea, 170
Metroxylon salomonense, 299
Micropholis Cruegeriana, 310
Monnina, A Revision of the Peruvian Species of, 123
Monnina, 128
 — *acutifolia*, 131, 162, 163
 — *amarella*, 128, 133
 — *andina*, 129, 143
 — *angustifolia*, 132
 — *arbuscula*, 146
 — *arenicola*, 129, 137
 — *callimorpha*, 130, 150, 151
 — *calophylla*, 167
 — *caenescens*, 130, 148
 — *chanduyensis*, 132
 — *Clarkeana*, 131, 156
 — *conferta*, 130, 144, 147, 149
 — *connectisepala*, 131, 154
 — *crotalariaoides*, 157
 — — *glabrescens*, 157
 — — *leptostachys*, 157
 — — *macrophylla*, 157
 — — *pseudo-loxensis*, 157
 — *cyanea*, 131, 143, 159
 — *decurrans*, 131, 160
 — *densecomata*, 131, 164, 165
 — *divaristachya*, 130, 149
 — *filiifolia*, 128, 134
 — *glabrifolia*, 129, 142
 — *graminea*, 128, 135
 — *herbacea*, 128, 135
 — *Herrerae*, 132, 165
 — *hirtella*, 131, 158
 — *huacachiana*, 152
 — *huallagensis*, 129, 141
 — — *pachyphyllea*, 142
 — *Killipii*, 150
 — *lanceolata*, 139
 — *laurifolia*, 144
 — *Monnina Lechleriana*, 131, 143, 155, 156
 — *ligustrifolia*, 131, 156, 159
 — *longibracteata*, 129, 140, 142, 146
 — — *ainensis*, 141
 — *Macbridei*, 129, 137
 — *macrosepala*, 129, 142, 145
 — — *latifolia*, 146
 — *macrostachya*, 129, 138, 139
 — — *pumila*, 139
 — *marginata*, 129, 144, 145
 — *Mathusiana*, 131, 161
 — *menthooides*, 129, 143
 — — *myrtilloides*, 147
 — *nitida*, 167
 — *ovata*, 130, 151
 — *pachycoma*, 132, 166
 — *Pavoni*, 130, 150, 152, 154
 — *peruviana*, 131, 161
 — — *petiolaris*, 144
 — — — *elliptica*, 144
 — *pilosa*, 131, 163
 — — *glabrescens*, 164
 — *polygaloides*, 167
 — — *polygonoides*, 135
 — *polystachya*, 130, 151, 153, 154
 — *pseudo-polystachya*, 130, 153
 — *pseudo-salicifolia*, 129, 145
 — *pterocarpa*, 128, 132
 — — *exauriculata*, 132
 — *ramosa*, 129, 136, 137, 138
 — *rugosa*, 167
 — *Ruiziana*, 131, 151, 154, 155
 — — *longepetiolata*, 154
 — *salicifolia*, 131, 157, 159, 162
 — — *pilosylis*, 158
 — *scandens*, 161
 — *stipulata*, 130, 148, 149
 — — *tenuibracteata*, 154
 — — *tenuifolia*, 154
 — *tomentella*, 132, 164
 — *Vargasii*, 131, 162, 166
 — *Vitis-Idaea*, 130, 146, 160
 — *Weberbaueri*, 129, 137, 138
 — — *elongata*, 139
 — — *maxima*, 139
 — — — *pachyantha*, 139
Monoporandra, 348
Monotes, 347, 348
 More Plant Study: Fewer Plant Names, 371
 Morphology of *Euptelea* and Comparison with *Trochodendron*, 186
Morus Brunonianana, 324
 Mouriria Aubl., Comparative Morphology of the Foliar Sclereids in the Genus, 253
Mouriria abnormis, 255
 — *acuta*, 255

- Mouriria acutiflora, 255
 — oligantha, 255
 — angustifolia, 255
 — anomala, 255
 — Apiranga, 255
 — arborea, 255
 — brachyanthera, 255
 — brachypoda, 255
 — brevipes, 255
 — brunneicalyx, 255
 — buxifolia, 255
 — cauliflora, 255
 — cearensis, 255
 — Chamisoana, 255
 — paulistana, 255
 — ciliata, 255
 — collocarpa, 255
 — crassifolia, 255
 — cyphocarpa, 255
 — densifoliata, 255
 — domingensis, 255
 — Doriana, 255
 — dumetosa, 255
 — elliptica, 255
 — emarginata, 255
 — eugeniaefolia, 255
 — exilis, 255
 — floribunda, 255
 — Gardneri, 256
 — Gleasoniana, 256
 — grandiflora, 256
 — guianensis, 256
 — Helleri, 256
 — hottensis, 256
 — Huberi, 256
 — lanceolata, 256
 — Lisboae, 256
 — maestralis, 256
 — Marshallii, 256, 306
 — micradenia, 256
 — monantha, 256
 — Muelleri, 256
 — myrtifolia, 256
 — myrtilloides, 256
 — nervosa, 256
 — oligantha, 256
 — parvifolia, 256
 — Petroniana, 256
 — Plasschaerti, 256
 — princeps, 256
 — pseudo-geminata, 256
 — Pusa, 256
 — rhizophoraeifolia, 256
 — rostrata, 256
 — Sagotiana, 256
 — samanensis, 256
 — Sideroxylon, 256
 — Mouriria spathulata, 256
 — Steyermarkii, 256
 — subumbellata, 256
 — trunciflora, 256
 — Ulei, 256
 — Valenzuelana, 256
 — vernicosa, 256
 — Weddelli, 256
 — Muntingia Calabura, 324
 — Musa, 299
NAST, CHARLOTTE G. & I. W. BAILEY.
 Morphology of *Euptelea* and Comparison with *Trochodendron*, 186
Nelumbium Nelumbo, 328
Neohouzeaua, 344
Nepeta mutabilis, 325
Neurocallis praestantissima, 357
Neurosoria pteroides, 357
 New Cyatheaceae from Colombia, 438
 New Guinea, *Papuodendron*, a New Genus of Arborescent Malvaceae from, 272
Nicotiana, Meiotic Prophase Phenomena in Species and Interspecific Hybrids of, 453
Nipa fruticans, 300
 "Noble" Sugar Canes, *Saccharum robustum* and other Wild Relatives of, 234
 Notes on Papuanian Saxifragaceae, 275
 Notes on some Cultivated Trees and Shrubs, III, IV, 169, 316
 Noteworthy Species of Hippocrateaceae and Vacciniaceae, Studies of South American Plants, XI, 86
 "Notholaena" in Brazil, 361
Notholaena capillus, 364
 — eriophora, 363, 365
 — *flavens*, 370
 — *geraniifolia*, 363, 367
 — *goyazensis*, 363, 366
 — *nivea flava*, 364, 370
 — — *oblongata*, 364, 369
 — — *palmatifida*, 365
 — *Pohliana*, 363, 369
 — *venusta*, 363, 364
 Novelties in American Euphorbiaceae, 289
 Observations on Some Shrubby Adesmiae of Central Chile, 413
Ochlandra, 344, 345
Ocimum sanctum, 333
 On the Dispersal of the Plants Most Intimate to Buddhism, 327
Ophiopsperrnum, 402
Ophispermum sinense, 404
Oplismenus undulatifolius, 323
Oreopanax capitatus, 309
Oxytenanthera, 341, 342, 346

- Pacific Island Plants, V. New and Note-worthy Flowering Plants from Fiji, Studies of, 319
- Pandanus*, 302
- Panicum polystachyon*, 323
- *polystachyrum*, 323
- *undulatifolium*, 323
- *verticillatum*, 323
- Papuodendron, a New Genus of Arborescent Malvaceae from New Guinea, 272
- Papuodendron*, 272
- *lepidotum*, 272
- Parallel and Convergent Evolution in Ferns, 355
- Parashorea*, 348, 351
- Passiflora foetida hispida*, 325
- Peltogyne porphyrocardia*, 306
- Pennisetum polystachyum*, 323
- *setosum*, 323
- Pentacme*, 348, 351
- PERRY, L. M. & E. D. MERRILL. Plantae Papuanae Archboldianae, XVII, 193
— & — Some Additional Records for the Guan Flora, 323
- Peruvian Species of Monnierina, A Revision of the, 123
- Petromelia*, 173
- Philippines, The Lichen Flora of the, 408
- Photinopteris speciosa*, 358
- Phycomyces blakesleeana*, 480, 483
- Phytotephas macrocarpa*, 300
- Phytogeographic Studies in the Athabasca-Great Slave Lake Region, II, 1
- Pieris japonica crispa*, 173
- Piper*, 302
- *crispatum*, 319
- *methysticum*, 302
- Plant Collecting in the Solomon Islands, 292
- Plantae Papuanae Archboldianae, XVII, 193
- Platycerium* spp., 358
- Polypotrya osmundacea*, 357
- Polygala lanceolata*, 139
- Polyosma amygdaloïdes*, 283
- *brachyantha*, 287
- *buxea*, 283
- *cestroides*, 283
- *dentata*, 285
- *Forbesii*, 287
- *helicoides*, 286
- *induta*, 284
- *longibracteolata*, 286
- *macrobotrys*, 287
- *mueronata*, 282
- *oeculta*, 285
- *oligantha*, 286
- Polyosma stenosiphon*, 282
- *tubulosa*, 284, 287
- *vochysioides*, 285
- Polypodium eriophorum*, 365
- Polyporandra scandens*, 301
- Pontederia crassipes*, 324
- Preliminary Revision of the Genus Loniceria in Malaysia, 442
- Prestoea pubigera*, 309
- Priority of the Species *Psidium cattleianum* Sabine, 314
- Protection de la Nature à Madagascar, La, 470
- Prunus aproniana*, 172
- *Armenica persicifolia*, 318
- *avium* × *Cerasus*, 171, 172
- *avium decumana*, 171
- — *mamillaris*, 171
- — *regalis*, 172
- *Cerasus Aproniana*, 172
- — × *avium*, 172
- *dasyarpa persicaefolia*, 318
- *efusa*, 172
- *Gondouini*, 171
- *macrophylla*, 171
- *nicotianaefolia*, 171
- Psammisia aberrans*, 90, 95
- *breviflora*, 92
- *caloneura*, 90
- *chionantha*, 90, 94
- *coccinea*, 90, 94
- *columbiensis*, 95
- *macrocalyx*, 90, 93
- *macrophylla*, 95, 96
- *occidentalis*, 90, 93, 117
- *pacifica*, 90, 94, 96
- *pedunculata*, 90, 92
- *penduliflora*, 96
- *Ulbrichiana*, 96
- Pseudomorus Brunonianus*, 324
- Psidium cattleianum* Sabine, Priority of the Species, 314
- Psidium cattleianum*, 314
- *littorale*, 314
- Psychotria* subg. Piptilema, 205
- *alata*, 198
- *apiculata*, 203
- *aquatilis*, 202
- *axilliflora*, 204
- *balimensis*, 209
- *barbatiloba*, 195
- *bracteosa*, 196, 197
- *Brassi*, 194
- *camptodroma*, 206
- *capitulifera*, 216
- *carstensis*, 194
- *chrysanthra*, 200

- Psychotria chrysocarpa*, 197
 — *coelospermum*, 194
 — *dienensis*, 205
 — *diplococca*, 207
 — *dolichosepala*, 208
 — *glabra*, 208
 — *hebecarpa*, 212
 — *heterophylla*, 198
 — *ihuensis*, 207
 — *inconspicua*, 205
 — *ixorioides*, 193
 — *Kajewskii*, 210
 — *Kanehirae*, 199
 — *leiophloea*, 204
 — *leiophylla*, 215
 — *Leonardii*, 194
 — *leptothyrsa*, 205
 — *lolokiensis*, 196, 197
 — *Lorentzii*, 196
 — *luconiensis*, 212
 — *luteola*, 200
 — *malacorrhax*, 206
 — *malaloensis*, 206
 — *melanocarpa*, 211
 — *membranifolia*, 203
 — *micalabasta*, 197, 200
 — *micrococca*, 204
 — *miniata*, 210
 — *misimensis*, 203
 — *montensis*, 196
 — *multicostoides*, 206, 209
 — *multifurca*, 209
 — *myrsinoides*, 200
 — *nana*, 199, 202
 — *ochnidiphora*, 207
 — *olivacea*, 194
 — *orgyalis*, 195
 — *pallida*, 201
 — *paludicola*, 203
 — *papuana*, 202
 — *polyneura*, 193, 207
 — *puberula*, 194
 — *purpurea*, 195
 — *ramulosa*, 199, 201
 — *Randiana*, 198
 — *sarcodes*, 215
 — *sarmentosa*, 195
 — *Schmielei*, 205, 214
 — *sentanensis*, 211
 — *sogerensis*, 200
 — *solomonensis*, 212
 — *sphaerothyrsa*, 197
 — *subrepanda*, 220
 — *tafaensis*, 201
 — *tenuipes*, 213
 — *tenuis*, 213
 — *trichocarpa*, 208
- Psychotria trichostoma*, 214
 — — *macrophylla*, 214
 — — *vaccinoides*, 196
 — — *waimamurensis*, 216
 — — *Wernhamiana*, 196, 209
 — — *Wichmannii*, 208
 — — *Wollastonii*, 196
Pterocymbium oceanicum, 320
 — — *viridiflorum*, 321
Puffinus griseus, 174
Pyrus betulaefolia, 170
 — — *canescens*, 317
 — — *Cossonii*, 317
 — — *longipes*, 170, 317
 — — *macropoda*, 170
 — — *macropoda*, 317
 — — *rufa*, 317
 — — *tomentosa*, 317
Quercifilix zeilanica, 358
Quercus velutina, 386
Quintinia altigena, 281
 — — *Brassii*, 280
 — — *epiphytica*, 281
 — — *Fawcneri*, 279
 — — *lanceolata*, 278
 — — *Ledermannii*, 278, 279
 — — *Macgregorii*, 279, 280
 — — *Schlechteriana*, 280
QUISUMBING, EDUARDO. A Critical Study of the Philippine Species of the Tribe Aquilariae, Family Thymelaeaceae, 401
RAUP, HUGH M. Phytogeographic Studies in the Athabaska—Great Slave Lake Region, II, 1
REEDER, JOHN R. Notes on Papuanian Saxifragaceae, 275
REINER, ALFRED. Notes on some Cultivated Trees and Shrubs, III, IV, 169, 316
 Report on the Growth of Excised Tomato Roots, A, 480
 Revision of the Peruvian Species of *Monnieria*, A, 123
Rhoeo discolor, 323
Rhyticaryum, 301
Richeria grandis, 309
ROBBINS, WILLIAM J. A Report on the Growth of Excised Tomato Roots, 480
 Roots, A Report on the Growth of Excised Tomato, 480
Rosa Harisonii Vorbergii, 317
 — — *multiflora carneae*, 171
 — — *Dawsoniana*, 171
 — — *roseiflora*, 171
 — — *roseiflora*, 171
 — — *pimpinellifolia* × *lutea*, 317
 — — *Vorbergii*, 317

- Saccharum robustum and other Wild Relatives of "Noble" Sugar Canes, 234
- Saccharum edule, 240
- officinarum, 240, 244
- pedicellare, 246
- robustum, 234
- — sanguineum, 236
- spontaneum, 237, 238, 239
- Salicineae*, 169
- Salix cordata* × *nigra purpurascens*, 316
- — *rigida purpurascens*, 316
- *Nicholsonii purpurascens*, 316
- *rigida purpurascens*, 316
- Saprosma Brassii*, 220
- *buxifolia*, 230
- subrepandum, 220
- Saraca indica*, 337, 338
- Satyria arborea*, 119
- *bracteolosa*, 90, 120
- *dolichantha*, 90, 117
- *grandifolia*, 90, 118, 119
- *leptantha*, 90, 119
- *panurensis*, 118
- Sauraaja subspinosa*, 427
- Saxifragaceae, Notes on Papuasian, 275
- Schizostachyum*, 343, 344, 345
- SCHROEDER, C. A. Priority of the Species *Psidium cattleianum* Sabine, 314
- Securidaca Corytholobium*, 167
- Senecio puffini*, 174
- *rotundifolius*, 174
- Setaria verticillata*, 323
- Shorea*, 348, 351, 352
- *albida*, 353
- *inaequilateralis*, 353
- *Pinanga*, 353
- *platycarpa*, 353
- *robusta*, 336, 338
- *rugosa*, 353
- *Teysmanniana*, 353
- *uliginosa*, 353
- SKOTTBERG, C. Observations on Some Shrubby Adesmiae of Central Chile, 413
- Sloanea trinitensis*, 313
- SMITH, A. C. Studies of Pacific Island Plants, V. New and Noteworthy Flowering Plants from Fiji, 319
- Studies of South American Plants, XI. Noteworthy Species of Hippocrateaceae and Vacciniaceae, 86
- Taxonomic Review of *Euptelea*, A, 175
- & J. S. BEARD. The Genus *Eschweilera* in Trinidad and Tobago, 305
- Solomon Islands, Plant Collecting in the, 292
- Some Additional Records for the Guam Flora, 323
- Sonchus oleraceus*, 325
- South American Plants, XI. Noteworthy Species of Hippocrateaceae and Vacciniaceae, Studies of, 86
- Sphyrospermum buxifolium*, 90, 91
- *ellipticum*, 90, 91
- *majus*, 90, 91
- Staff of the Arnold Arboretum, 1945–46, 510
- Stamens, Centrifugal, 423
- STANLEY, PAUL C. Food Plants of the Indians of the Guatemalan Highlands, 395
- STEENIS, C. G. G. J. VAN. Preliminary Revision of the Genus *Lonicera* in Malaysia, 442
- Stemonoporus, 348
- Stenochlaena palustris*, 358
- Stenosmia aurita*, 358
- Sterculia caribaca*, 310
- Streptococcus lactis*, 484
- Studies of Pacific Island Plants, V. New and Noteworthy Flowering Plants from Fiji, 319
- Studies of South American Plants, XI. Noteworthy Species of Hippocrateaceae and Vacciniaceae, 86
- Sugar Canes, *Saccharum robustum* and other Wild Relatives of "Noble," 234
- Tabebuia serratifolia*, 307
- Taenitis requiniana*, 357
- Taxonomic Review of *Euptelea*, A, 175
- Terminalia amazonia*, 307, 310
- Termstroemia oligostemon*, 313
- Tetracentraceae, 175
- Tetracentron, 186
- Tetracera Assa*, 425
- Themistoclesia crassifolia*, 104
- *epiphytica*, 104
- *pterota*, 103
- Thibaudia Andrei*, 90, 98
- *Archeri*, 90, 98, 102
- *aurantia*, 98, 100
- *mundula*, 99, 100
- *pachyantha*, 90
- *pachypoda*, 90, 97
- *paniculata*, 90
- *parvifolia*, 98
- *rigidiflora*, 98
- Thymelaeaceae. A Critical Study of Philippine Species of the Tribe Aquilarieae, Family, 401
- Thrysostachys*, 345
- Timonius putaminosus*, 121
- Tobago, The Genus *Eschweilera* in Trinidad and, 305
- Tontelea chlorantha*, 87

- Tontelea corymbosa, 87
Trachypterus aureo-nitens, 357
Tradescantia discolor, 323
Tresanthera pauciflora, 313
Trinidad and Tobago, The Genus *Eschweilera* in, 305
Trochodendraceae, 175
Trochodendraceae, 175
Trochodendron, Morphology of Euptelea and Comparison with, 186
Trochodendron, 186
— araloides, 253
Types of Some American Trees, 386
Upuna, 348, 351
Vacciniaceae, Studies of South American Plants, XI. Noteworthy Species of Hippocrateaceae and, 86
Vateria, 348
Vatica, 348, 351, 352
— imbricata, 353
— Wallichii, 353
Virola surinamensis, 313
Vitex capitata, 307
— divaricata, 307
Vitis acerifolia, 172
— *Longii*, 172
— *multiflora*, 173
— *multiloba*, 173
— *novo-mexicana*, 173
— *Nuevo Mexicana*, 172
— *rubra Solonis*, 172
— *rupestris* × *arizonica*, 172
— *Soloni*, 172
WEATHERBY, C. A. "Notholaena" in Brazil, 361
WHITE, C. T. Papuodendron, a New Genus of Arborescent Malvaceae from New Guinea, 272
— The Australian Species of Antirhea, and a New Name for a Cuban Species, 121
Wormia suffruticosa, 425
Xylophyta 1. *Betuleae*, 169
— 2. *Carpineae*, 169